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QUALITY CERTIFICATED



Coffee is a lifestyle, Roasting is
more...

Drawee	
Address	
E-Mail	
Date	
Offer No	TPR//01 –
Model	TKMSX10 Gas Coffee Roaster



TKMSX-10 COFFEE ROASTER

Toper Karakundakoğlu Değirmen Makine San Ve Tic Ltd Şti
Address: 5911 sk. no:1 Karabağlar- İzmir-Turkey
Tel : 90-232-254-01-21 Fax: 90-232-2372127
www.toper.com



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Model:	TKMSX-10		
Batch Capacity:	10 KGs of Green Coffee		
Roasting Time :	Brown roast -10 Minutes Dark roast - 12 Minutes		
Hour Capacity :	Brown Roast – 60 kg / Hour Dark Roast – 50 kg / Hour		
Dimensions (H*W*L)	175 x 169 x 140 cm		
Weight :	460 KGs		
Voltage :	110-220-380 Volts, 50-60Hz, 1-3 Phase are available regarding to customer preference.		
Type of Fuel :	LPG or Natural Gas.		
Number of Motors :	4 motors		
Color :	▪ Black	▪ Red	
	▪ Green	▪ Other	
Body Type :	▪ Chrome body ▪ Brass body		

Security Systems:

- **Gas Security & Pilot System for security and electronic ignition :** Cut the gas connection
- **Mixer Security System:** To protect any injury to user from rotating cooling tray arms.

Temperature Control: Digital Temperature controls and Digital Temperature indication

Other Specifications:

- Standard timer
- Security drawer for the beans
- New type chaff collector for easy chaff discharging.
- Simultaneous roasting and cooling at same time.
- Sampler and glass window to control roasting
- Installation and start up manual for easy using
- High capacity suction for cooling fan
- Electric and gas components are CE –UL standards compatible
- After burner (Optional)
- Loader (Optional)
- Destoner (Optional)
- Profile System Roasting (Optional)

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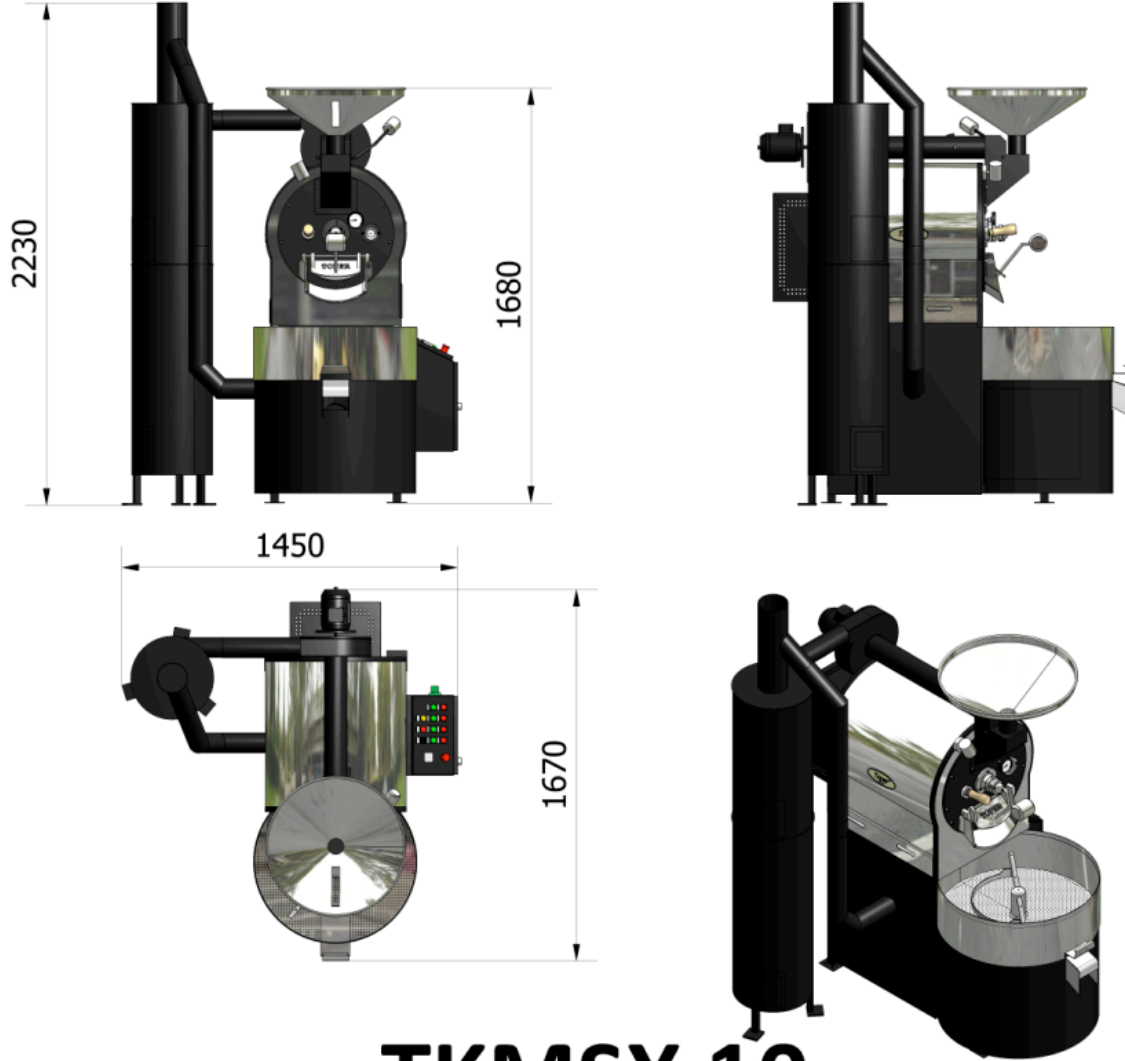


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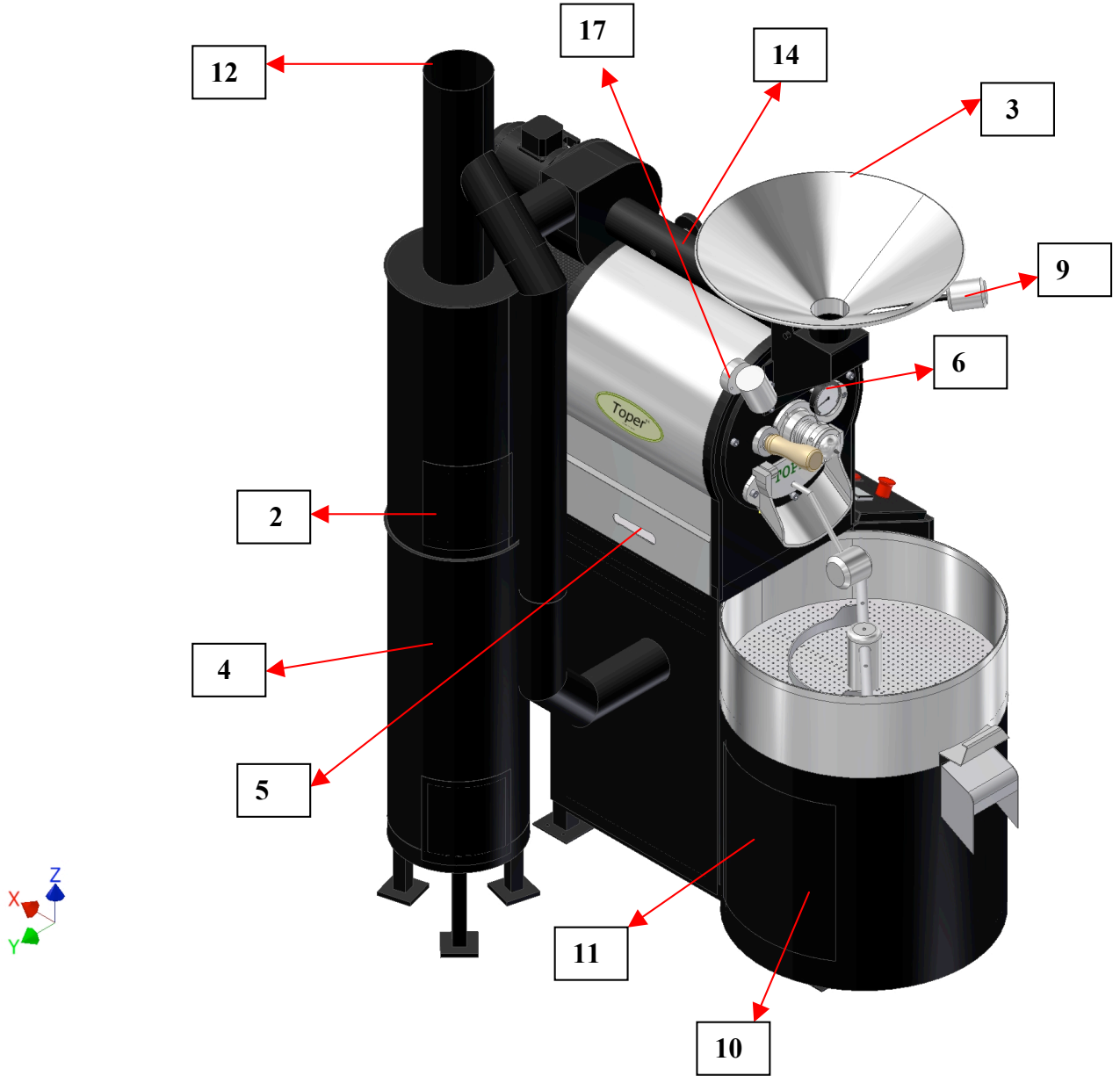
Schematic Diagram

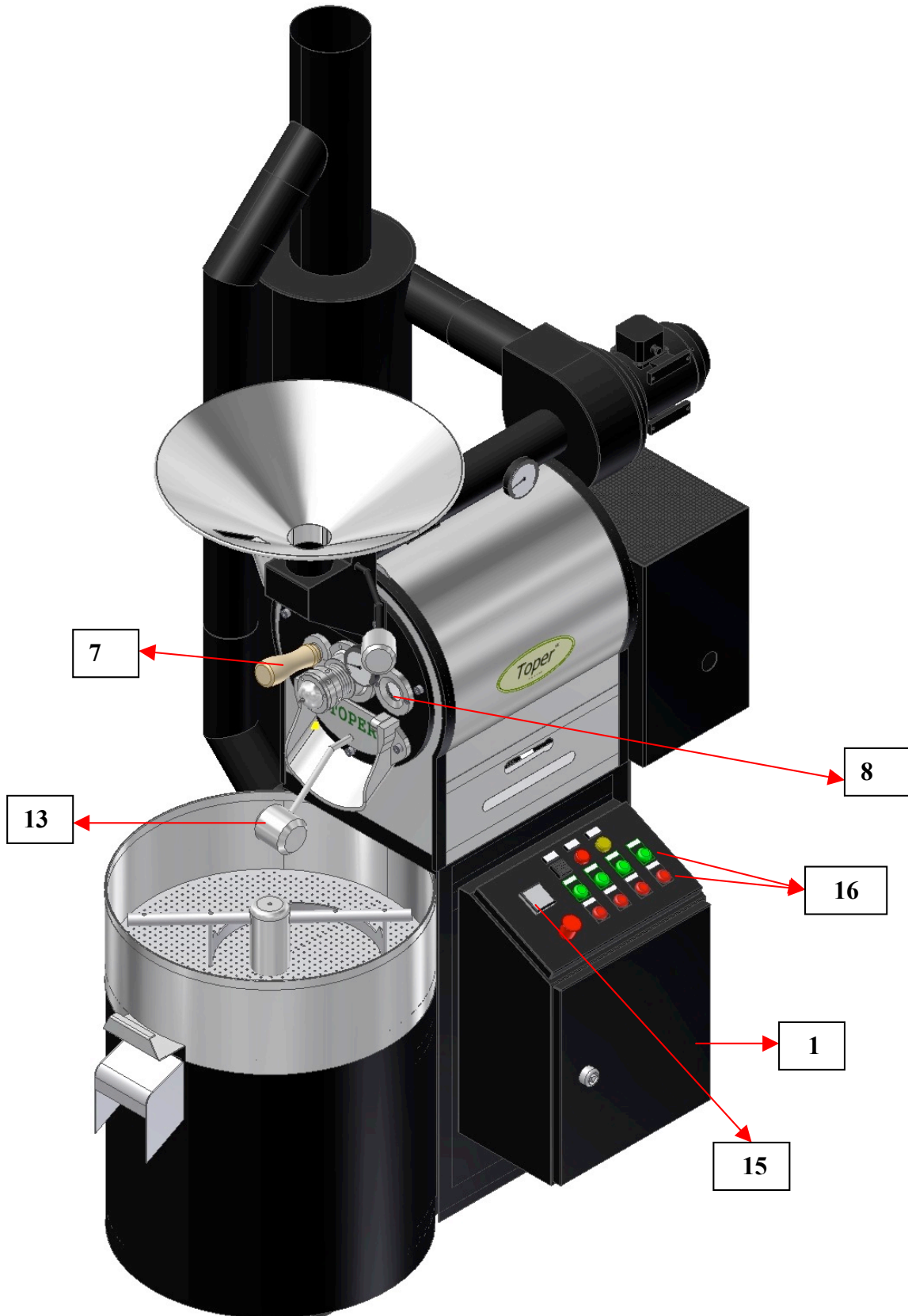


TKMSX 10

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MAIN PARTS OF TOPER TKMSX 10 GAS COFFEE ROASTER







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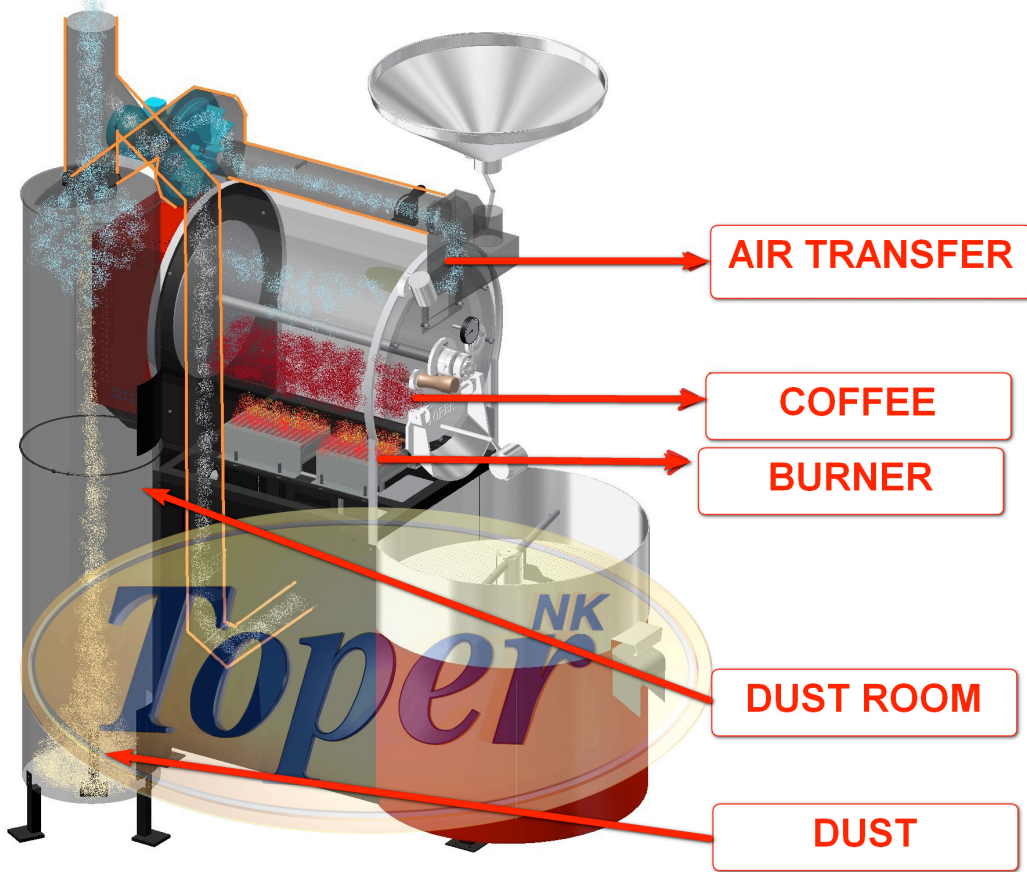


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DESCRIPTION OF PARTS

- 1- **ELECTRICAL CONTROL BOX:** All electric circuits is included inside this box. Computer is connected the connection kit which placed near the box.
- 2- **DUST ROOM GATE:** to open and clean inside the dust room. There is two gates on the dust room. Above gate is not usable during the roasting. Do not open it during roasting. You can use the below gate for cleaning the dust room during roasting.
- 3- **GREEN COFFEE HOOPER:** It's used to put green coffee inside the drum
- 4- **DUST ROOM (CHAFF COLLECTOR) :** Collects the chaffs from exhaust air and not let the chaff go off from the chimney, keeps all chaffs inside the room.
- 5- **BURNER SYSTEM:** Enable to heat the machine up.
- 6- **THERMOCOUPLE:** Temperature sensor.
- 7- **SAMPLER :**Enable to check the beans during the roasting
- 8- **VIEWING WINDOW:** Enable to how roasting inside the drum during the roasting.
- 9- **GREEN COFFEE HOPPER VALVE:** By opening this valve, the green beans fall the drum inside.
- 10- **COOLING AND MIXING PAN:** Enable to mix& cool the roasted coffee and clean the coffee from the last dusts and chaffs.
- 11- **MIXER DUST ROOM GATE:** To clean mixer dust room by opening this gate.
- 12- **EXHAUST AIR EXIT PIPE:** Enable to connect exhaust fan to dust room.
- 13- **DRUM GATE VALVE:** Enable to discharge the roasted coffee from the drum to cooling pan
- 14- **EXHAUST AIR VALVE:** Enable to adjust the exhaust fan suction. By closing this valve getting hot the drum is faster. Before 2 minutes closing the burner, it is enable to roast different type of coffees by adjusting the air suction at the end of the roasting.
- 15- **DIGITAL THERMOSTAT:** Enable to regulate the temperature of the machine so that the machine temperature is maintained near a desired set point temperature.
- 16- **MOTOR ON - OFF BUTTONS:** To turn on/off motors and burner
- 17- **LAMP:** Enable to follow the roasted beans at the same light conditions in every roasting.

WORKING PRINCIPLES OF TOPER ROASTER



- Fill the green bean hopper by proper kgs with the batch capacity
- Than get the beans inside the batch after heating the roaster up
- The roasting process occurs inside the drum.
- During the process the dusts and chaffs get out through to the dust room by the exhaust fan.
- The dusts and chaffs collects and the smoke given out.
- Coffee is roasted by the equal thermal heating transfer.
- The equal heat is given all the roasted coffee.
- The beans taken out to the cooling tray after roasting
- The beans get cool to the room temperature by sucking the hot air on the coffee.
- You may roast another batch when your previous roasted coffee in the cooling tray.
- Enjoy your roast!

Below you can find a table for different ☐offee beans in different roasted color results from all around the World in different origins.

Also please note that there are still many different colors available in roasting results in between any two different color ranges on the table below.

Coffee Bean Color Table



Attention : Only color number #1 is raw coffee bean which is unroasted. All the other specified numbers are shown as roasted coffee beans in different colors.

- You can roast all the different ☐offee bean origins and speciality ☐offee Beans from around the World in different color selections by using Toper Roasting Machines.
- You can roast with Toper Machines in different color ranges as you can see on the table above.
- You are able to get even roasted Beans results everytime you roast your raw ☐offee Beans. By this mean you do not need any color sorting machines.
- You will always get full customer satisfaction because of that you will always be able to roast in a standard way and quality in roasting results with your Toper Roasting Machine.



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Price & Payment Conditions

DESCRIPTION OF GOODS	UNIT	PRICE
TKMSX-10 Gas Coffee Roaster	1	

PAYMENT TERMS : 1- CASH IN ADVANCE,
2- 50% CASH WITH ORDER - 50% CASH BEFORE SHIPMENT,
3- VISA / MASTER CREDIT CARD PAYMENTS ACCEPTED

WARRANTY: : 2 YEARS

DELIVERY TIME : 6 WEEKS AFTER ORDER

MANUFACTURER : TOPER

EXPORTER : ABIDE IC VE DIS TIC LTD STI
(ABIDE IS THE EXPORT COMPANY OF TOPER)

ADDITIONAL NOTES : THE MACHINE INCLUDES:
- MOTORS
- ELECTRICAL HARDWARE
- WOODEN CASE PACKAGE (EUROPE & ISPM STANDARTS)
- READY TO USE
- USER MANUAL
- DRUM ADJUSTMENT TOOL

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What You Will Gain If You Prefer Toper Product?

- 1- Our machines are user friendly compared to other machines. It does not require a Professional user as hiring cost of a Professional is big cost. With respect to country conditions helps to gain 50-60% from labor cost.
- 2- Best quality raw materials are used for production of our all machines to serve for long years without causing any trouble to users. Machines run without any trouble unless deliberate harm made to machine. Our machines help to gain 5-10% from servicing and spare part cost compared to other machines.
- 3- Unless user's deliberate fault, it is protected to cause injury to user by security systems. Our machines help to gain 2-5% from user efficiency.
- 4- Our machines are assured to consume low electric. By automatic digital control system, heat insulation, heat transfer, electric wastage is prevented. Our machines help to gain 30% from electric consumption saving.
- 5- When electric motors are chosen, low electric consuming and long year lasting motors are preferred. The system of the machine prevents motors to run at the same time and only let motors to step in when necessary. This helps to gain 10-30% from electric consumption.
- 6-Toper brand products and their designs are reason of accumulation of long year's experiences, follow ups of improving technology and knowledge of R&D departments of some universities. Machine designs are to prevent occupying redundant place in the work shop. It helps to gain 5-10% from space in the working area.
- 7- For the newly building plants or already built plants we provide special support with preliminary planning, placement activities. With help of 3D designs we can estimate where most efficient machine will run. By these 3D designs you can see how machine will be before purchasing. Regarding to customer demand we can make changes to machine design, place of control panel over the machine, colour and body type. Machines and projects can be produced with your special requirements.
- 8- Coffee roasted with Toper technique can gain all its characteristics while roasting. Thousands of aromatic components in the coffee can be formed in accordance to your desire. Same quality production is assured. Provides roasting different types and specialities of coffee as your wish. The final products are accepted and desired from your customers. You cannot find that opportunity in other firm's products.
- 9- Applying Thermal Transfer system to coffee and revealing its magical aroma needs care. With respect to importance of situation, loss can occur if much heat is applied to coffee, Toper's specialty is to prevent loss. Although other brands' loss percentage is 20%, it is 14% with Toper. The gain in coffee quantity is 6%.
- 10- Our machines are environment sensitive too. The occurring dust while roasting coffee is collected by Chaff Collector in order to let them to environment through ducking. Assures cleaner environment.
- 11- The electric security systems of machine automatically switches off the machine in conditions of electric cut offs, electric pressure abnormality and any other emergency conditions. No damage may occur as the fire is prevented beforehand.
- 12- In condition of electricity cut, there is a manual unloading system for drum to discharge coffee from drum before it gets harm.
- 13- Toper Company is a supplier of UN Global Marketplace Organization.
- 14- Toper Company manufactures in a World Standard which we have a variety of Quality and Production Certificates. Here are some of our specific Certificates:
ISO 9001:2008, CE, Ghost, ETL, CSA, UL.
- 15 – Toper Family does not have customers as we have Friends from all over the World. Our main goal is providing best service when our Friends need with our Quality Machines which we are always ready to serve and support them as possible as we could do. Our Friends from 132 different Countries all over the World is one of the most important richness for Toper Company.

Best Regards,
Ramazan Karakundakoglu
General Manager

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